

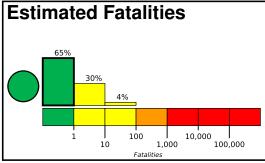




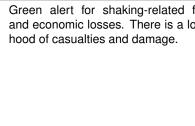
PAGER Version 5

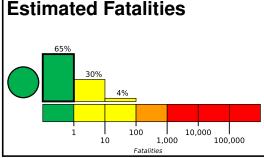
Created: 1 day, 0 hours after earthquake

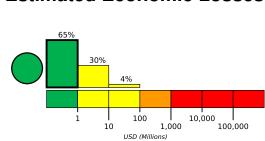
M 4.1, 21 km WSW of Petrolia, CAOrigin Time: 2024-02-10 07:20:15 UTC (Fri 23:20:15 local)
Location: 40.2733° N 124.8366° W Depth: 10.0 km



Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likelihood of casualties and damage.







Estimated Population Exposed to Earthquake Shaking

							<u> </u>			
ESTIMATED POPULATION EXPOSURE (k=x1000)		480k*	127k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY			11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

5000 124.5° W 126.0°W 123.0°W Crescent City Ei reka Fortuna -Hayfork 40.5°N Redway Laytonville Fort Bragg 39.2°N

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1993-09-21	327	6.0	VI(47k)	1
1980-11-08	103	7.3	IX(16k)	0
1980-01-24	391	5.8	VII(35k)	1

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

Historical Earthquakes

MMI	City	Population
Ш	Ferndale	1k
II	Humboldt Hill	3k
II	Fortuna	12k
II	Bayview	3k
II	Eureka	27k
II	Pine Hills	3k
II	Arcata	17k
II	Bayside	17k
I	Windsor	27k
I	Ukiah	16k
1	Clearlake	15k

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.